



ESI and DEACS

ESI TRAINING AND NETWORKING EVENT

MAY 3, 2017



Division of Environmental Assistance and Customer Service

Objectives:

- Lead DEQ responsiveness to customers
- Improve NC environment and economy through **non-regulatory** programs and services
- **Assist** NC businesses and industry to reduce environmental impacts while remaining competitive through environmental excellence and related efficiencies



Division of Environmental Assistance and Customer Service

Non regulatory DEQ agency

Free and confidential assistance

Services include:

- Permit assistance
- Compliance assistance
- Technical assistance
- On-site assessments
- Recycling assistance
- Environmental outreach

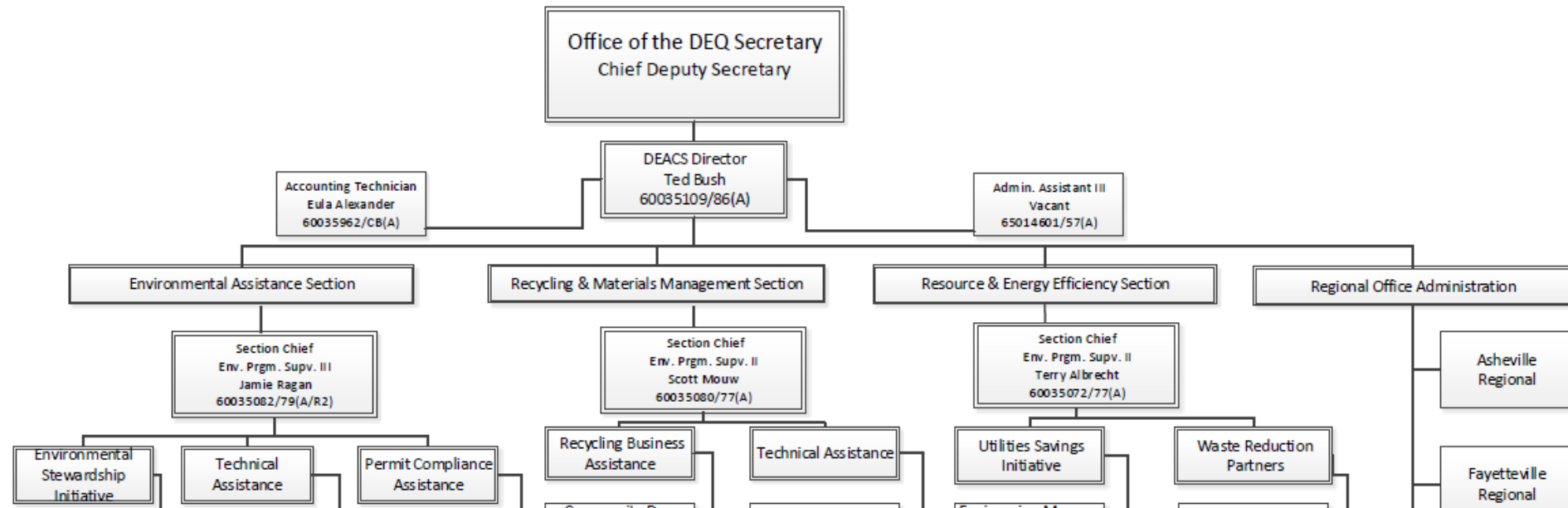




Department of Environmental Quality

Division of Environmental Assistance and Customer Service (DEACS)

Department of Environmental Quality (DEQ)





Utility Savings Initiative

Provides assistance to public organizations to:

- **cut utility costs**
- improve **energy management**
- examine facility upgrades through **performance contracting** process

Avoided utility costs of more than \$553 million

Contact: Len Hoey at 919-707-9250





Waste Reduction Partners

Provides consulting services to businesses and institutions to identify cost-savings through

- **Water** efficiency audits
- **Energy efficiency** assessments
- **Solid waste** reduction measures
- **Lean and Green** reviews
- **Pollution prevention** strategies
- Environmental **sustainability** programs
- Much more....





Waste Reduction Partners



Staff - highly experienced retired engineers, business professionals and scientists

Services are **confidential** and **no cost** to client

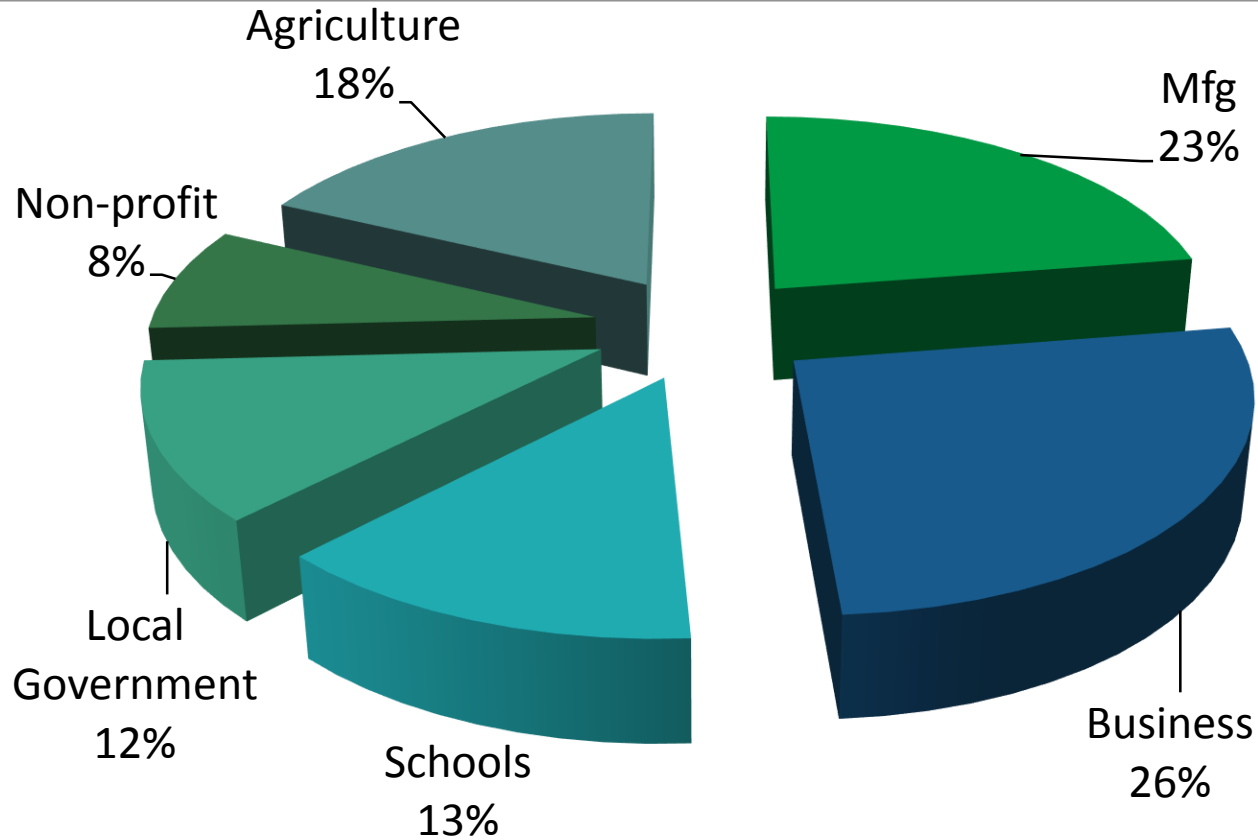
\$80.9 million in client cost savings

237,000 tons solid waste diverted from landfill

Contact: Terry Albrecht at 828-251-7475



WRP Client Profile - 2014



75 percent of WRP clients are Private Sector



Recycling & Materials Management Section (RAMMS)

Technical assistance for **local governments, recycling businesses** and **solid waste generators** on waste reduction, recycling, and composting, including operational and financial assistance



Old Tires Get New Life



Recycling is Picking Up in North Carolina



RAMMS: Recycling Assistance

Recycling Grants

Recycling Business and Local Government Assistance

Technical Assistance and Educational Outreach

Recycling Market Development





Recycling Business Assistance Center (RBAC)

- Offers technical assistance to new, existing or relocating recycling businesses
- Provides market research
- Recycling business development grants
- Promotes purchasing products with recycled content
- Contact: Wendy Worley (919) 707-8136



Electronics Recycling Becoming Big Business



Recycling Markets

Recycling Markets Directory: continuously updated, fully searchable on-line directory that lists more than 700 companies that collect, transport, broker, process or remanufacture recovered materials in NC www.p2pays.org/dmrm

Contact: Sandy Skolochenko at (919) 707-8147

Waste Trader: marketplace for discarded or surplus materials and products
www.ncwastetrader.org

Contact: Thom Rhodes at (919) 707-8140





Local Government Technical Assistance Group

Team of analysts with solid waste and recycling backgrounds in both public and private sectors

Financial assistance and grant programs

Technical assistance and program support

Recycling education and outreach tools

Directory of local solid waste contacts





Grants for Governmental Agencies

Community Waste Reduction and Recycling Grant

- Contact: Rob Taylor at 919-707-8139

Mercury Products Recycling Grant

- Contact: Joseph Fitzpatrick at 919-707-8121



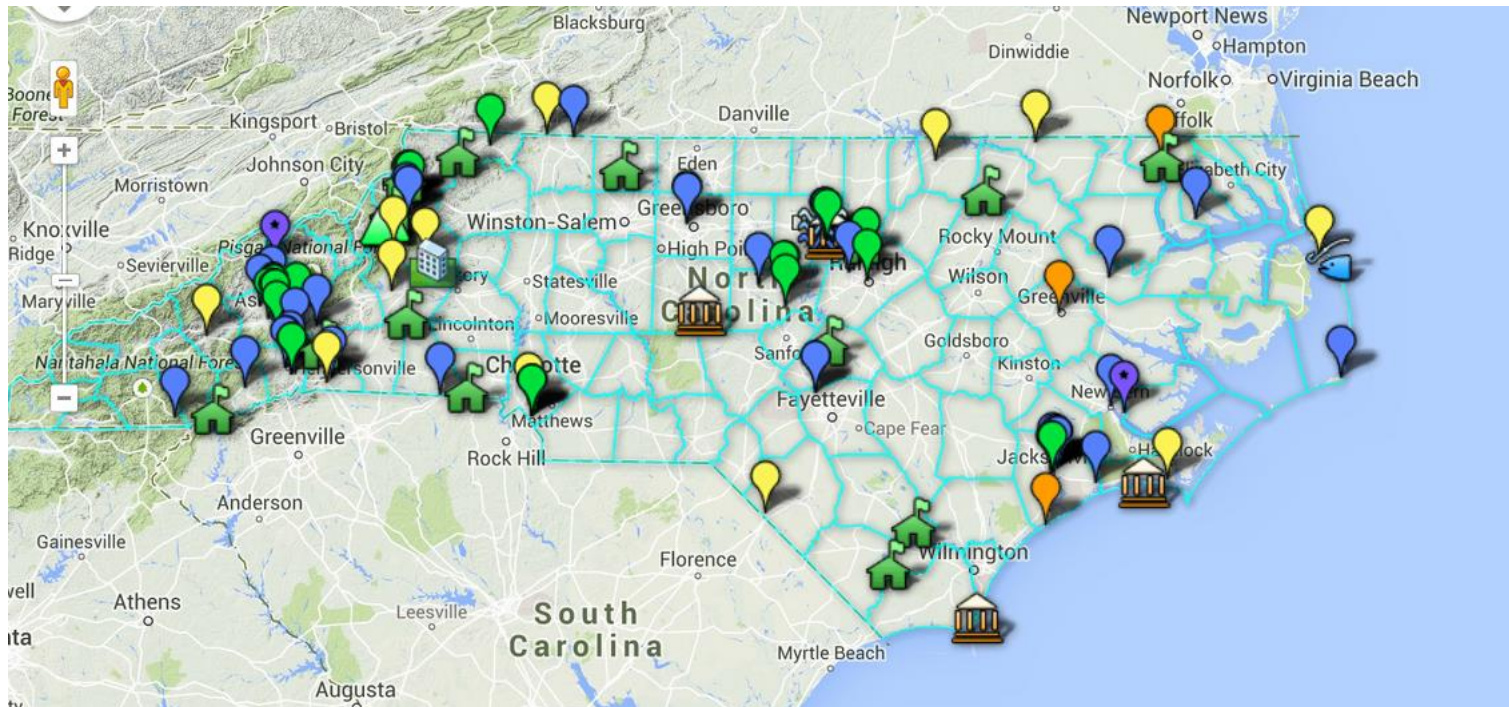


Recycling Outreach Campaigns





NC Green Travel is a free recognition program promoting robust economic growth and environmental stewardship in the travel and hospitality sector.



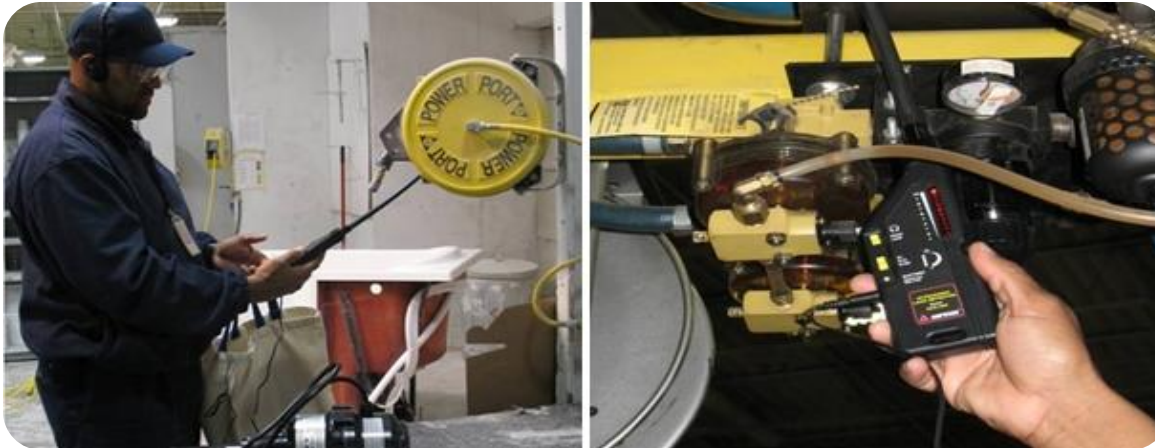
There are currently over **107** members in NCGreenTravel



Environmental Assistance Section

Provides **no cost**, **non-regulatory** and **confidential** assistance to citizens, businesses and local governments to encourage environmental protection and meet regulatory requirements

- Emphasis on customer-focused assistance
- Regulatory efficiency
- Improved customer-satisfaction



DEACS Provides Cost-Saving Services to Facilities



Environmental Assistance Section

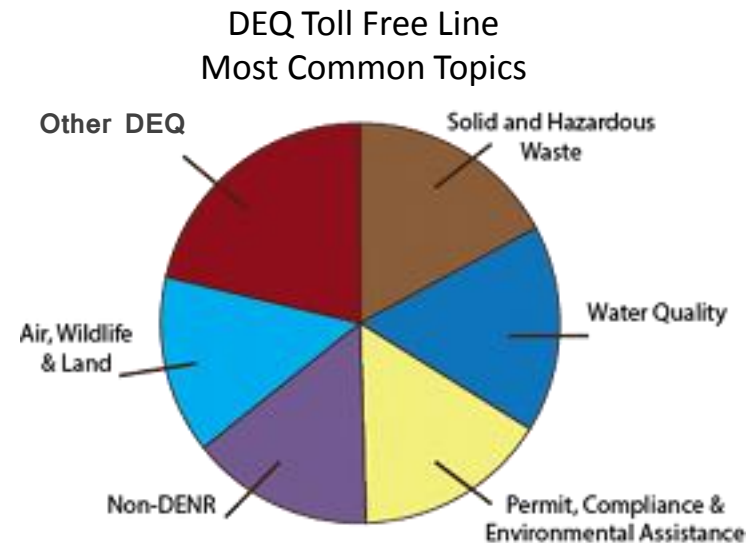
Regional One-stop Permit/Environmental Assistance
Coordinators

Small Business Environmental Assistance

Technical Assistance Staff

DEQ Customer Service Hotline

Toll-Free Hotline: 1-877-623-6748



*DEACS staff answer over 5000
calls/year on DENR hotline*



EAS: Permit Assistance

Develop tailored permit lists

Track permit applications and create project timelines

Coordinate express permit review

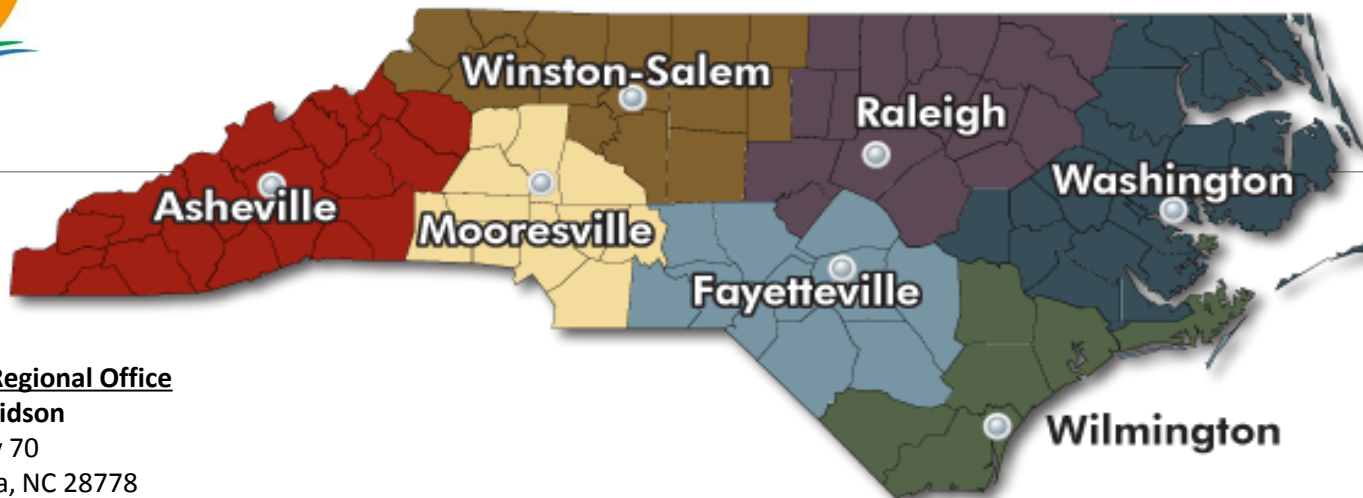
Facilitates scoping and pre-application meetings

On-site consultation and troubleshooting





Regional Offices



Asheville Regional Office

Alison Davidson

20 Highway 70

Swannanoa, NC 28778

828/296-4500

FAX 828/299-7043

Winston-Salem Regional Office

Marcia Allocco

610 East Center Ave., Suite 301

Mooresville, NC 28115

704/235-2107

FAX 704/663-6040

Mooresville Regional Office

Marcia Allocco

610 East Center Ave., Suite 301

Mooresville, NC 28115

704/235-2107

FAX 704/663-6040

Raleigh Regional Office

David Lee

3800 Barrett Drive

Raleigh, NC 27609

919/791-4200

FAX 919/571-4718

Fayetteville Regional Office

David Lee (Raleigh)

Systel Building

225 Green St., Suite 714,

Fayetteville, NC 28301-5094

910/433-3300

FAX 910/486-0707

Wilmington Regional Office

Cameron Weaver

127 Cardinal Drive Extension

Wilmington, NC 28405

910/796-7215

FAX 910/350-2004

Washington Regional Office

Lyn Hardison

943 Washington Square mall

Washington, NC 27889

252-946-6481

FAX 252-975-3716



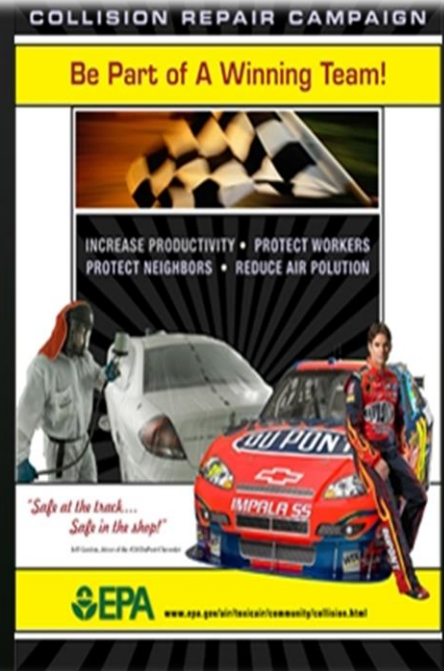
EAS: Small Business Environmental Assistance

Assist small business with air quality and other regulatory requirements

Small business: owned or operated by person that employs 100 or fewer individuals

Does not emit 50 tons or more per year of any regulated pollutant and emits than 75 tons per year of all regulated pollutants

Contact: Tony Pendola (919) 707-8112





Environmental Stewardship Initiative (ESI)

DEQ **recognition** program for business, industry and government striving for superior environment performance

Celebrating 15 years of helping facilities go beyond regulatory requirements

Voluntary and **free** to join





Environmental Stewardship Initiative



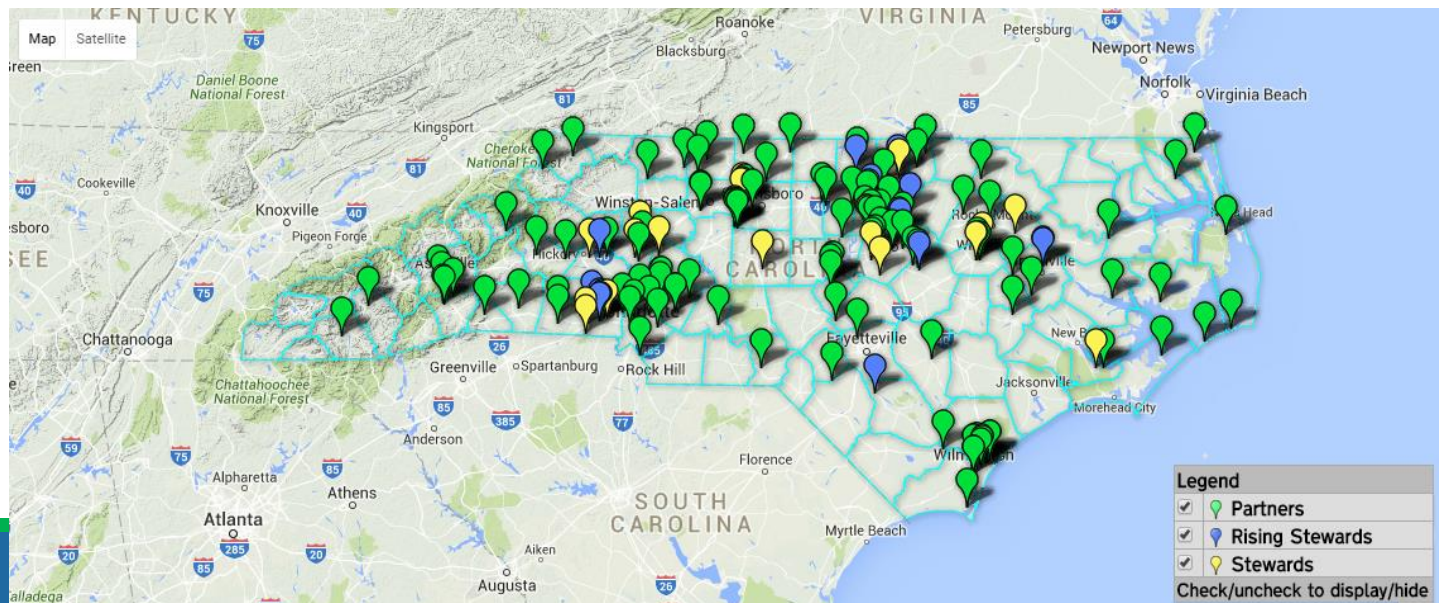


Environmental Stewardship Initiative (ESI)

Levels of participation: Steward, Rising Stewards, Partners

Over 200 member sites

- Stewards: 23
- Rising Stewards: 14
- Partners: 165





Stewards:

- **ASMO North Carolina Inc. - Statesville**
- **Bridgestone Americas Tire Operations LLC - Wilson**
- **City of Gastonia Crowders Creek Resource Recovery Facility**
- **City of Gastonia Long Creek Resource Recovery Facility**
- **City of Gastonia Water Treatment Plant**
- **Corning Inc. – Wilmington**
- **Daimler Trucks North America LLC - Cleveland**
- **EMC Corporation – Apex**
- **Engineered Sintered Components – Troutman**
- **Firestone Fibers & Textiles – Kings Mountain**
- **Fleet Readiness Center East - Cherry Point**
- **GKN Driveline- Sanford Precision Forming Facility – Sanford**
- **Hickory Cable Facility, Corning Cable Systems**
- **John Deere Turf Care – Fuquay-Varina**
- **Keihin Carolina System Technology, LLC – Tarboro**
- **N.C. Zoological Park – Asheboro**
- **Santa Fe Natural Tobacco Knotts Grove Campus - Oxford**
- **Smithfield Packing Company – Wilson**
- **Stanley, Black & Decker - Kannapolis**
- **TE Connectivity - Pegg Rd – Greensboro**
- **TE Connectivity – Burgess Rd - Greensboro**
- **Thomas Built Buses, Inc. – High Point**
- **U.S. Environmental Protection Agency - RTP**



Which level is right for you?

Partner

The Partner level is designed for adoption by a broad range of organizations that are interested in beginning the process of developing a systematic approach to improving environmental performance.

Partners must meet the basic criteria of the program:

- Not be under any environmental criminal indictment or conviction;
- Demonstrate commitment to compliance;
- Set environmental performance goals; and
- Report annually on progress toward the organization's environmental performance.



ESI partner, Burt's Bees, conducted a Dumpster dive and reduced its solid waste by more than 50 percent.

Rising Steward

The Rising Steward level is designed for those organizations that have a mature environmental management system (EMS).

Rising Environmental Stewards must meet the Partner requirements plus:

- Demonstrate a mature EMS;
- Set measurable environmental performance goals; and
- Demonstrate a commitment to go beyond compliance.



The N.C. Zoological Park, an ESI Rising Steward, constructed wetlands to manage the stormwater runoff from the North America parking lot and provide an educational display and picnic area for visitors.

Steward

The Steward level is for those organizations that already display a commitment to exemplary environmental performance beyond what is required by law.

Environmental Stewards, in addition to the Rising Steward requirements, must also demonstrate:

- Aggressive environmental performance goals;
- A mature EMS integrated into the core business functions; and
- A process of communicating with the local community about program activities and progress toward performance goals.



ESI Steward, Thomas Built Buses, went zero waste to landfill in 2010 through recycling and reusable packaging. They also reduced water usage by 42 percent and energy usage by 24 percent over a five-year period.

Assistance

Networking

Recognition



3 Levels of Membership



Partner: must demonstrate a commitment to maintain compliance, **commit** to establishing an **environmental management system** or set long-term **measurable** environmental performance goals.



Rising Steward: must demonstrate a **mature EMS**, set **measurable environmental performance goals** and demonstrate a commitment to go beyond compliance.



Steward: must demonstrate: a **mature EMS**; **aggressive environmental performance goals**; a commitment to meet and go beyond compliance; an EMS that is **integrated into the core business functions**; and a process of **communicating with the local community** about program activities and progress toward performance goals.



ESI Benefits

Networking

Free trainings

ESI members meeting

Recognition

DEACS coordinator

Newsletter

DEQ liaison

Contact: Angela Barger at 919-707-8126

or Davy Conners at 919-707-8131

Personalized technical assistance for:

- Environmental Management System
- Internal Auditor Training
- Lean & Green Training





Zero Waste to Landfill

Facilities send less or no materials to landfill

- Customers may require
- Recycling markets for materials
- Source reduction
- Reuse of material (Waste Trader)

Benefits:

- Cost reduction
- Supports sustainability
- Cleaner production
- Improved material flow
- Environmentally responsible
- Smaller environmental footprint





Zero Waste to Landfill

DEACS available ZWTL assistance:

- Website resources
- Networking
- WRP; RAMMS; ESI
- Zero waste vendor listing
- Waste Trader; Recycling Markets Directory
- Conference; trainings
- Various partners and stakeholders
- Hands on assistance
- Industrial Waste Group





DEACS: How we can help you!

Free, confidential and non-regulatory

Experienced staff with broad environmental knowledge

Cost savings while improved environmental performance

Onsite technical assistance and assessments

Tailored permitting assistance; project timeline planning and facilitation

Financial assistance and grant programs

Outreach and recognition programs

